# HOW TO KEEP FOUR FOOTED WILD PESTS OUT OF THE GARDEN

added a few immigrants from the Old tural Department, Washington, D. C. World, notably the brown rat and the house mouse, the two most destructive animal pests in the world. Fortunately, these rascals are not all found in one place or under the same nditions. Some of them are peculiar to timbered regions, others to prairies or plains or cliffs. Only the wood-

shuck, the prairie dog and the squir-

rels are abroad by daylight. The woodchuck, or ground hog, deyours a wide variety of garden products; it is especially fond of bean It may be shot if one bas the time and patience to wait for its arance, which usually occurs late in the afternoon of sunny days, or it may be caught in a steel trap set at burrow it may be killed there by an ince and a half of carbon disulphid absorbed in cotton waste, or by an of greater degrees of humidity. ounce of blasting powder in a bottle exploded by means of a fuse, all entrances to the burrow being closed in case before the gases are

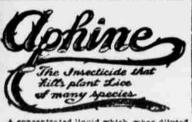
Raccoons destroy corn in the roasting ear stage and have a curiously artistic habit of removing the edible part a melon through a hole in the rind the size of a silver dollar. They may e caught in steel traps carefully covered and buited with meat or fish, or ptay be hunted with dogs at night. Rabbits attack bean vines, many vegetables, berry bushes and the bark of young fruit trees. They may be kept by the four out of a garden by a fence built of 11/2 Var Variowii inch poultry netting, extending 2 Menuseti Me inches below the surface of the ground and 2 feet above it.

Dherated.

Moles eat but little vegetable food, but they are disliked in gardens because their burrows often follow the drills in which young vegetables are growing, causing the roots to wither and die. Worse than this is the fact that their tunnels are thoroughfares for mice, which destroy seeds, potatoes, sweet potatoes and other vegetables. Moles are caught in traps especially designed for the purpose. Their skins are valuable as fur and find a ready

Native rate and mice are outdoor animals at all seasons. Many house rate and mice join them in summer. of them feed on seeds and several useful poison for rats and mice may from mice can be avoided by keeping the land surrounding gardens clear of weeds and trash piles.

Farmers' Bulletins 670, "Field Mice s Farm and Orchard Pests": 707.



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### DELPHINIUMS

As permanent subjects in the hardy flower garden few plants are more worthy of special mention than the the entrance of its den. When in a ever, delphiniums seldom equal in size, be chosen. loveliness of tone and continuity of

Many parts of the world have con- annual:

pocket gophers. To this list may be the Division of Publications, Agricul- means of layering, which is done in fruits on the same tray. May or June. A cut is made at the Apples and pears are likely to be-extreme base of the stem and cov-come discolored unless they are dipped ered with fibrous loam. In due time immediately after peeling in a soluroots will be forced out near the cut tion composed of an ounce of sait and and a new plant secured, which can three quarts of water. The same re-

> deiphiniums. For producing a strik- in the summer or in greenhouse early and the seeds removed, they are best ing display over a long season they in the spring. In the first case the steamed for eight or ten minutes or are quite unique, attracting attention plants will flower the following sum- else immersed in boiling water for ten their stateliness as well as their mer, in the second case they may minutes. They take longer than most variety of blue shades, which run the flower the same autumn. Care should fruits to dry, but do not lose so much gamut of all known blues from deep be exercised in carrying the sec-flings weight. reddish purple to a delicate azure al-most indistinguishable from white. In them moderately dry and well aerated, mercially they are usually bleached addition, their hardiness and adapta- Light should se admitted very early with sulphur, and this same practice bility make them highly desirable for in the spring. In selecting varioties can be followed in the home if desired, greater use in our gardens and borders. for seed clear distinct colors, robust but the fruit is really better in its Under our climatic conditions, how- habit and symmetrical spikes should satural dried condition. It is only

> The following are the more impor- basket in the top of a barrel which bloom those grown in cooler climates tant species of delphinium. All are can be tightly covered. The barrel perennials except the first, which is an should have a door near the bottom.

which invade gardens directions for combating these animals directions directions for combating these animals directions directions for combating these animals directions di

be severed from the parent plant early sult can be obtained by using the juice of one lemon to two quarts of Seed is sown in the cold frame late water. After pears have been peeled

> necessary to place the cut fruit in through which a pan of coals can be inserted. If a teaspoonful of sulphur

broad-leaved trees, which annually in their own private plants. cast and renew their leaves. As is the With the great boom in oil and the case of the twigs, an abscission layer apparently unlimited supply of this forms across the leafstalk or petiole fuel gas making machines have come stalks of the leaflets as well. Frost suburban factories but also in many does not cause the leaves to fall, as country homes and residences. Pristances. cause of leaf fall is shown by the be- of fuel. havior of tropical trees, which cast The Tirrill Gas Machine and Lighttheir leaves as regularly as those ing Company of New York is au-nearer the poles though they are thority for the statement that such

markable difference from the same phe- only in this country but also in many if nomenon in temperate regions in that foreign countries, where coal is either it does not occur in all trees at the undesirable or unavailable. inserted. If a teaspoonful of sulphur same time. It depends upon the indi-is placed on the coals the fumes will vidual. One tree may throw down its soon do their work, the fruit being leaves just as another near by is put-

Among the native American animals "Cottontail Rabbits in Relation to be lifted after freezing, potted and but this does not apply to apples and because the heavy bud scales falling off considerably and a shortage of times an unexpected falling off considerably and a shortage of times an unexpected falling off considerably and a shortage of times an unexpected falling off considerably and a shortage of times an unexpected falling off considerably and a shortage of times and because the heavy bud scales falling off considerably and a shortage of times and because the heavy bud scales falling off considerably and a shortage of times and because the heavy bud scales falling off considerably and a shortage of times and because the heavy bud scales falling off considerably and a shortage of times and because the heavy bud scales falling off considerably and a shortage of times and because the heavy bud scales falling off considerably and a shortage of times and because the heavy bud scales falling off considerably and a shortage of times and because the heavy bud scales falling off considerably and a shortage of times and because the heavy bud scales falling off considerably and a shortage of times and because the heavy bud scales falling off considerably and a shortage of times and times and times the heavy bud scales falling off considerably and a shortage of times and times times to the heavy bud scales falling off considerably and times times to the heavy bud scales falling off considerably and times times to the heavy bud scales falling off considerably and times times to the heavy bud scales falling off considerably and times times to the heavy bud scales falling off considerably and times times to the heavy bud scales falling off considerably and times times to the heavy bud scales falling off considerably and times times times to the heavy bud scales falling off considerably and times which invade gardens are raccoons. Trees and Farm Crops," and \$32, "Roforced slowly, production can be traced to this cause. Bieeding from these vessels under any
which invade gardens are raccoons.

Trees and Farm Crops," and \$32, "Roforced slowly, production can be traced to this cause. Bieeding from these vessels under any
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many million tons looks production can be traced to this cause. Bieeding from these vessels under any
many million tons looks production can be traced to this cause. Bieeding from these vessels under any
many million tons looks production can be traced to this cause.

Rape is a culck growing crop and eircumstances is of assistance in characters.

This warning of a coal famine the best results and so the trace of the best results and so the trace of the best results and so the best results and so the trace of the best results and the trace of the best results and the trace of t

the stem ends uppermost, and it is year's growth. Possibly a majority of strikes particularly hard at those reour forest trees have this same habit siding in the country or doing manuof self-pruning, though in most cases it is less noticeable.

Another form of self-pruning that is practically universal is that connected with the fall of the leaf. This prepared with the fall of the leaf with the fall of the leaf. This prepared with the fall of the leaf with the countries as soon as the ground can be worked as soon as the ground can be worked of the chicken is often grown in rows in rows in the chicken is often grown in rows i phenomenon is very familiar in our the use of artificial gas manufactured rows will produce a surprisingly large

> and in compound leaves across the into vogue not only on farms and in people suppose, though the vate plants with capacity from fifteen weight of the accumulated frost upon to 1,000 lights make a quality of iem may hasten the fall in some in- gas for cooking, lighting and heating That frost is really not the cheaper and better than other kinds

> never exposed to frost. Leaf fall in gas making plants are in use in homes, the tropics, however, presents a re- schools, institutions and factories not

### DESTROYING DANDELIONS.

By JULIA W. WOLF.

The veltow dandelion surely is a pest and the lawn mower has little effect tained if they are fed when not over with more than four toes on each few on it, as the plant is perennial, and perpetuates itself by a long tap root that penetrates far into the ground, said that when oats are sprouted Digging the weeds up one by one is small chickens the roots should not a tedious task and often falls to ac- be given the youngsters. complish a complete destruction, inthe tenacious root.

a pretty house and grounds described during the winter whenever there is to the writer his method of extermi- no snow on the ground. It will also be fective. It is simply to spray the dan- of rye in this way is a great saving. delions with a solution made by dissolving iron sulphate in water.

The sulphate comes in granular form and should be used in the proportion of two pounds to a gallon of water.

The finer the spray and the better and more thoroughly the dandelions spray has been used.

three or more times during the season.

The common toad is the gardener's ance of the neck.

The leek it is said is called house leek because it was formerly common house look on the roofs of cottages protection against thunder and light-

### KNIPE SHOULD BE BEST STEEL

The knife should be small with a bend; of the best steel, so that it can be kept sharp and is not nicked when used in braining, and the handle and

the blade should be in one piece. Such a knife, with the aid of the packing house emery wheel or grindstone and ollstone, can be made from an eight inch flat file. To make it, the blade should be shaped from the small end of the file. It should be, for chickens, two inches long, one-fourth inch wide, and one-sixteenth inch thick at the back. For turkeys, the blade should be two and one-half inches long. The curve to make the point should slope from the back downward. A blade of this shape reaches the blood vessels more surely than does a blade on which the point Every one who grows strawberries curves upward. After the blade is handle should be five inches long.

tender, it is not readily eaten after is followed there is a great saving in throw off certain parts unless man the plant should go toward producing it gets old and tough. For that reason a huge root and crown system, with it is advisable even on the farm to One of the most interesting of the no duties to perform but bearing fruit. plant certain crops in order to pronours regain much of their natural one of the most interesting of the no duties to perform out certain crops in order to pro-richness, and can be prepared in many trees that prune themselves is the If good care is taken of the plants vide a continuous supply of green ways. When the berries are dried in well known cottonwood of the middle during the summer, covering them adthe sun they are simply spread on West, represented elsewhere by its equately in the winter with a mulch or even the laying hens have to be papers or trays in the open air, being variety the so-called Carolina poplar. of straw, only one other precaution confined it is especially important to protected by fly screening and taken in late winter and early spring one need be taken to assure big berries have a green ration in abundant quantities. By raising crops to be fed If a frost should strike the bed while in a green state a considerable saving branches cut off by the tree. Hasty the blooms are open some of them will in grain can be made. At the same The time it is well to remember that hens removed until after the berries are that the winds of winter have broken nipped ones will produce oild shaped, that have their liberty may eat so dried. Then they can be rubbed off the twigs, but an examination will under sized nubbins; if these are cut much green stuff that they neglect with the hands and winnowed out by show that they have been as neatly off as soon as they form the remain-

### NOW IS THE TIME TO SPRAY YOUR FRUITS AND VEGETABLES.

amount of poultry greens.

Swiss chard has much the same habit chard can be grown, the surplus above what is needed for the house being fed to the hens. In May or June it is advisable to make a rather generous planting of Scotch kale to be fed to the hens when cold weather comes. This is such a hardy vegetable that it is not injured by early frost and often remains green and tender until Christmas. Many times it can be dug out from under the snow and fed. Kale unsurpassed for providing a late fall green ration at small cost.

It is well to remember, though, that the cabbage heads are removed without pulling up the stumps the side leaves will grow and can be used for chicken food.

When all other green stuff has been used up the poultry keeper must fail back on sprouted oats. It is important to use oats which have not been sul- the soil of the yard is clayey pullets phured, and the best results are obhalf an inch high. Then the oats should be rejected. have not wholly lost their value as grain. In this connection it may be

If a part of the garden can be sown asmuch as it is difficult to remove all to rye in the fall early enough for it to make considerable growth the hens A man on Long Island who owns may be able to feed on it at intervals nation that is easy to follow and is ef- available early in the spring. The use

### PREPARING FOWLS FOR BEST PRICES. .

Ante-mortem preparations of Biddy One gallon of the solution will cover guillotine consist in abstaining from plied from a sprinking can or sprayer, clear water during the twenty-tour. hours before killing time.

If dressed poultry is to reach the are soaked the surer will be the re- consumer with the best of flavor and sults. The best time to do the work wholesomeness, the most attractive is in the forencon, after the dew has appearance and in the best possible disappeared, and when fair weather state of preservation, it must be propseems probable for the next forty- erly killed and dressed, as well as eight hours. The solution should not properly raised. A large proportion of be applied on a freshly mowed lawn, the unsightly poultry in markets is should the lawn be moved or caused by an incomplete removal of sprinkled for three days after the the blood from the carcass. This is evidenced by red dots which frequently If the dandellons are thick and have appear where the feathers have been been allowed to go to seed it may be removed, especially occur the thighs BELGIAN AND FLEMISH and wings, or by small veins over the GIANT HARES. We have the most breast and in the angles of the wings, up to date Rabbit Farm in New J or larger veins which mar the appear-

Usually it is the neck which shows been used in cutting the blood vessels. The neck is the first part to discolor. becoming first red, then bluish red or purple, and finally green as aging progresses. Often there are discolored areas, which look like bruises, on the sides of the neck close to the head. These are commonly caused by killer holding the neck of the bird when cutting the veins and thereby preventing the blood from escaping.

At least 30 per cent, of all the poultry reaching the New York market is incompletely bled. Much of it is so Knives in common use for bleeding badly bled that it results in a loss of ing properties of such fowls are insooner; its flavor is not so good; the -

sharp knife, properly directed, is all if the attempt falls bad bleeding will Special Quotations in Thousand Lots dirt collects at the junction of the are cut to bleed and are also stuck through the brain to paralyze the feather muscles. The latter operation narrow blade; stiff, so that it does not is sometimes performed by running the knife under the eye at such an angle that its point will touch the angle that its point will touch the skull midway between the eyes and a BABY CHICKS, AT A REDUCED little behind them; or the braining is PRICE. THEY LIVE. THEY accomplished by placing the knife GROW. about half way down the groove in the roof of the chicken's mouth and then thrusting it up until the knife reaches the top of the skull. The knife. Rendy for do as in sticking under the eye, should touch the brain in the back part of the skull. The point of the knife should then be twisted slightly so that enough brain tissue may be destroyed paralyze the bird and cause the at our salesrooms, 52-54 Vest feathers to loosen. Street, N. Y., or our farm at Man If the "outside stick" method is prac-

tised practically no blood escapes, but if braining inside the mouth is adopted the cut blood vessels in the brain find

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### STRAWBERRY PLANTS

HARRY L. SQUIRES, Good Ground, N. Y. POULTRY.

where the hinge of the law Pressure of the thumb on une side the skull and on the other side at the same place with the forefinger or with the forefinger and second finger, wh result in opening the chicken's mouth and hold it open while the operator makes the cut to bleed. Held in such fashion nothing constricts the blood vessels or prevents the blood from escaping. The pressure against the ha makes accurate cutting of the easier, since the bird cannot closs in mouth. Care must be taken not stretch the neck unduly, else the ve sele will be pulled to such a narrow diameter that they are more difficult to find and also more difficult empty.

In choosing pullets for small back yards very light colored and white birds should be avoided, as their plumage shows dirt too readily. When with feathers on the legs and thes

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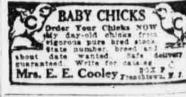
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in the spring.

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tributed to our wealth of desphiniums. They have come from Siberia, Formosa, Caucasus, China, California, Rocky Mountains, &c., while numerous hybrids have originated in Engcrowded together in the weil developed columnar spikes of the present day hybrids.

of them destroy bulbs, tubers, root. In order to alleviate the trying ef-crops and young trees. They may be fects of our hot climate upon our cool readily through the soil just below the In order to alleviate the trying efcaught in traps baited with nut meats loving plants special attention should or rolled oats. Those making runways be given to soil requirements. A well This cuts off weeds that the wheel hoe may be caught in an unbaited trap set drained, cool, rich soil should be promay have missed, tends to level the so they will touch the pan in passing. vided with an abundant supply of soil and removes to a great extent the moisture during dry weather, espe- ridges left by the wheel hoe. prepared by mixing a quart of moist cially in the period prior to flowering. se prepared by mixing a quart of moist can't in the plants may be cut soil made upon sod. The overturned nce of powdered strychnine alkaloid. down to the ground and mulched with sod will send up shoets and the thrust This should be placed under boxes or well rotted manure. This treatment hoe, being passed through the soil just ture, and furnishing a second crop of dies out bloom early in the fall. Although exefited by a protective light muich a common hoe is the best tool to use, of well rotted manure placed about but the thrust hoe will do the work in the ground. The mulch should be better advantage than the common spaded in early in the spring, thus hoe. supplying the essential fertility. Dur-

vided every three or four years. or flowers, from the ravages of Aphis on, Black or White Fly) as well as the plants are lifted, divided into several work and call.

> in which it da-is as well as for a greenhouse. Upon rooting the new plants should be potted and later transplanted to the nursery soil or spring. Late summer and fall propagation may also be resorted to, though it is not as successful as the



WRITTEN GUARANTEE FOR ONE YEAR

### WEEDS.

-Bulletin of the Missouri Botanical Garden.

Weeds in the spring come up here. there and everywhere with such vigor land and France. The old strains have that getting a start they will soon been improved almost beyond recogni- outgrow most vegetables. I have found tion from the narrow petalled flowers one of the handlest devices in combating them is the thrust hoe or slicing

> A day or two after the wheel hoe has been used a thrust hos can be pushed slight ridges made by the wheel hoe. The thrust hoe is excellent to use in passed away.

spimals cannot reach it. Much trouble providing coolness, conserving mois- and holds this growth in check until it Around hills of vegetables such as ceedingly hardy, delphiniums are ben-cucumbers, squash, corn, &c, however,

> Where there are heavy and thick ing winter months, in some localities, growths of vegetables, such as beans, delphiniums are often attacked by planted in drills a close watch should syrups without danger of scorching. sings with disastrous results, and as be kept as weeds may get started by a precautionary measure two or three being overlooked. It becomes difficult machine is in the drying of herbs such in that case to remove them without as sage mint, savory and parsley. All are thrown off. Many plants appear in that case to remove them without these herbs can be dried in the sun to have more flowers than could be Large clumps should be di- one of the worst weeds in this respect.

high, will keep the drying process in These may be wooden boxes like with their leaves, and their usefulness they gradually have learned that it is easier to dry many of the vegetables and fruits serve for a small amount. If stored of living green. Some of the oaks of though it is not as successful as the spring method. Where greenhouse faspring method. Where greenhouse fathan it is to can them, and if the work is done properly the results are just tables will keep for several years, alonly partly developed and retain many as satisfactory. Most of the failures though they will gradually lose their of their leaves until spring, when they the past year or two can be traced color. to the fact that too much heat was given at the beginning. It is very necessary that drying be commenced at a temperature not much over 110.

this temperature being gradually increased.

or on an oil store. be dried in the sun they are placed on such treatment. Conifers when stand- loves to grow large ones. The size made the ridges on the file should be trays covered with fly netting and ing alone should never be pruned, for left in the open air as long as is nec-left in the open air as long as is nec-essary. Of course fruits like apples in pyramidal form prove one of their must be cut up first, and it is a com- chief attractions, but when used for for growth and the attention they them. After being dried they can be may be sheared into almost any form To grow the biggest strawberries se-

to dry labor. The berries when soaked a few attends to the matter for them. hours regain much of their natural

ficiently to another. The wild blueberry can be dried as

been canned. with a few apples. It has been found that ripe fruit dries much more quickly than unripe fruit, and keeps

at a low temperature at first,

dried as soon as all the smoke has ting on a fresh dress; indeed the different branches of a single tree may When dried frufts are to be used act thus, one or more resting while soak them from four to six hours in others are in full leaf. It is commonly cold water. Of course it is advisable believed that the evergreen trees do in crevices, where birds and domestic will serve the threefold purpose of below the surface, cuts off these shoots to have a paring machine to use in not cast their leaves, or at least do not preparing apples for drying, as a cust the mannually. This in a meas- friend because he lives upon the small machine of this sort costing not more ure is correct. Some species cast their insects that trouble the garden crops most plainly the presence of blood in each and upward. THE MACNIFF than a dollar will peel, core and slice leaves annually, but others hold them A few toads in the garden will help the fowl, or that a wrong method has HORTICULTURAL CO., Inc. the fruit. If it is desired to save the for from five to ten years. The limit keep it free of insects. peelings and corings of the apples and in this line is a remarkable plant of of well rotted manure placed about but the thrust hoe will do the work in pears, there is no reason why they West Africa known as welwitschia. the crowns after the first freezing of many places with less labor and to cannot be made into jelly. As a matter of fact, at least one of the evapo- of which is several feet long, and in the north of England to plant the rating machines on the market is so these are retained during the life of arranged that it can readily be used the plant, which may run to fifty as it was supposed that the leeks were for making both fruit jellies and years or more!

Fruit and vegetable drying machine to hang on stove. Apple

parer and slicer at right of table.

the crowns and replaced by very fine Listurbing the plants. Crabgrass is these herbs can be dried in the sun to bear more flowers than could be with but little difficulty, but they in- supported by the tree if all should shes. Large clumps one of the worst weeds in this results in a loss of lied every three or four years.

It is therefore best not to let the variably lose their color. When an produce fruits, and when too many like the surplus is promptly and braining poultry are not suited to from two to five cents a pound. Keep-sheeral methods are employed in weeds get a start, but by uprooting evaporator is used, however, both sage fruits set the surplus is promptly and braining poultry are not suited to from two to five cents a pound. Keep-sheeral methods are employed in weeds get a start, but by uprooting evaporator is used, however, both sage fruits set the surplus is promptly and braining poultry are not suited to from two to five cents a pound. propagation-division, layers, cuttings them or cutting them off either above and parsley retain their fresh appear- thrown down. Several parts of the their purpose, according to United and seed. Division is performed in March when the stems are dormant. The plants are lifted, divided into several parts, and placed in the cold frames until ready for planting outdoors.

The plants are lifted, divided into several parts, and placed in the cold frames until ready for planting outdoors.

The plants are lifted, divided into several parts, and placed in the cold frames until ready for planting outdoors.

The plants are temporary structures userated fruits and vegetables be kept full for only a short time to the plant. When these have finished their usefulness they are cut off in the same way should be on the back instead of on the evaporator. Otherwise fruit from the trees for the same reason, them in check.

By E. I. FARRINGTON.

Now that the war is over and sugar in a hotbed or propagating bench in a hotbed into severy interest them to the plant and stamens for in the stames for interest them to the plant. States Department of Agricultures use-falls and stamens for interest them to the plant. S comparatively abundant again, it is dust away. Fruits being dried in the cless may be included in our colored sharp knife, properly directed, is all if the attempt falls bad bleeding will probable that there will be less dry-sun should always be kept covered ing of fruits and vegetables and more with fly screening. It is important to make or in some cases in large, party to bleed, whereas a light touch or the sharp knife, properly directed, is all if the attempt falls bad bleeding will that is needed to cut the blood vessels, and more with fly screening. It is important to make or in some cases in large, party to bleed, whereas a light touch or the sharp knife, properly directed, is all if the attempt falls bad bleeding will that is needed to cut the blood vessels, and more with fly screening. It is important to make or in some cases in large, party to bleed any are also insanitary, in that a party probable that there will be less dry-sharp knife, properly directed, is all if the attempt falls bad bleeding will that is needed to cut the blood vessels. The knives are also insanitary, in that dry picking is to be practised the birds. transplanted to the nursery soil or the fall or following the price of sugar, if it remains in the fall or following the less the price of sugar, if it remains in the fall or following the less the price of sugar, if it remains in the fall or following the less the price of sugar, if it remains in the fall or following the less the price of sugar, if it remains in the fall or following the less the price of sugar, if it remains in the fall or following the less the price of sugar, if it remains in the fall or following the less the price of sugar, if it remains in the fall or following the less the price of sugar, if it remains in the fall or following the less the price of sugar, if it remains in the fall or following the less the price of sugar, if it remains in the fall or following the less the price of sugar, if it remains in the fall or following the less the price of sugar, if it remains in the fall or following the less the price of sugar, if it remains in the fall or following the less the price of sugar, if it remains in the fall or following the less the price of sugar, if it remains in the fall or following the less the price of sugar, if it remains in the fall or following the less the price of sugar, if it remains in the fall or following the less the price of sugar, if it remains in the fall or following the less the price of sugar, if it remains in the fall or following the less than the fall or following the less than the fall of the price of sugar, if it remains the fall of the price of sugar, if it remains the fall of the price of sugar, if it remains the fall of the price of sugar, if it remains the price of sugar, if it rem high, will keep the drying process in These may be wooden boxes lined with their leaves, and when these have sur-

> color. SELF-PRUNING IN PLANTS.

> > By WILLARD N. CLUTE.

The gardener frequently finds it When drying or evaporating is come necessary to bring his plants into comes these fruits are the satisfactorily the work is not as simple as some people believe. There are removing various twigs and branches. few rules which must be considered. As a matter of fact a number of eco-Best results are obtained by the use nomic plants, such as grapes and raspof evaporating machines, which may berries, will not produce full crops unbe placed either on the kitchen range less subjected to an annual pruning of this kind. Opinions differ as to When fruits of various kinds are to whether all plants are benefited by

into the house at night. Three or four may often find the ground beneath in the spring. days may be required to dry them suf- such trees fairly covered with small The hulls of strawberries are not observers may jump to the conclusion be killed, some only nipped. turning the dried berries from one pan cut off as one could do it with a ing berries will be larger and better. as is required to produce eggs. Someknife. The tissue that cuts off these twigs is known as a cleavage plane or ily to attention than does the strawabscission layer. Under certain conditions it grows across the point of attachment and, being brittle, the fall of the twig results. The interesting feature of this operation is that it is the living and not the dead twigs that are pruned, and though many twigs of the preceding season are thus removed a statement to the public in which he says: "A big coal shortage is coming: of the says to determine the age of the twig to Europe. Coal production has fallen to the contain and accent to that it is production can be contain good results with fulls and vegetables you must keep away to fall the bugs and leaf eating insects bilmod dissolved in plain cold water, is ready to be used to appear fruits and vegetables with the bugs and leaf eating insects bilmod dissolved in plain cold water, is ready to be used to appear fruits and vegetables with the surface of the twig to invest in.

MEETING THE COAL SITUATION.

The United States Fuel Administrator, Dr. H. A. Garfield, has issued a statement to the public in which he says: "A big coal shortage is coming: to the twig to the condition of the twig to the conditi easily as the cultivated berries, and abscission layer. Under certain condi-is about as satisfactory for making tions it grows across the point of at-trolled in a way that makes it a safe into ples as blueberries that have tachment and, being brittle, the fall of crop to invest in. Dried raspberries are particularly ture of this operation is that it is the good and make delicious ples when living and not the dead twigs that are

The most noticeable form of self- ning.

are pushed off by the springing leaves of next season's crop. Certain fruits also remain on the bare branches through the winter, though this seems to be in some way connected with seed distribution, for when spring

### comes these fruits are thrown down as GROWING LARGE STRAWBER-

RIES

By JULIA W. WOLF. mon plan to either slice or quarter hedges, as several species are, they receive during the blossoming season. put into paper bags. The old fash- desired. Lilacs are other shrubs that lect a variety that naturally bears fruit GREEN FEED THE YEAR ROUND. foned way was to run the apples on need little if any pruning, but the of fair or larger size, like the Gandy, strings and hang them up out of doors great majority of our woody perentials seem all the better for an anple. Set the plants two feet apart in green food so long as it is young and All the berries are well adapted to nual trimming; indeed, the plants set rows three feet apart. Do not let any the drying process, and when this plan the example themselves and yearly runners take root; all the strength of

No small fruit responds more read-

its color much better. Stone fruits, several seasons are found with the says; "A big coal shortage is coming; like plums and cherries, dry best if others. In this tree in particular it is Thousands of miners are going back

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